

ABSTRACT

A method of producing rolling elements for a rolling bearing comprises mixing to process rounded elements made of steel balls and spherical rolling elements having outer 5 diameter portion portion becoming a rolling contact face. The rolling contact face has curvatures in an axial direction and a radial direction normal to the axial direction, and has at least one plane. The thus mixed elements are placed and processed in a space between two 10 processing boards opposing each other via the determined space. Thereby, the surfaces of the rounded balls and the rolling elements are processed to be rounded.